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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/585,880	05/03/2007	Joon-Haeng Rhee	Q95704	4676	
23373 SUGHRUE MI	7590 03/08/201 ON. PLLC	1	EXAMINER		
2100 PENNSYLVANIA AVENUE, N.W.			ARCHIE, NINA		
SUITE 800 WASHINGTON, DC 20037			ART UNIT	PAPER NUMBER	
			1645		
			NOTIFICATION DATE	DELIVERY MODE	
			03/08/2011	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

sughrue@sughrue.com PPROCESSING@SUGHRUE.COM USPTO@SUGHRUE.COM

	Application No.	Applicant(s)			
	10/585.880	RHEE ET AL.			
Notice of Allowability	Examiner	Art Unit			
	NINA A. ARCHIE	1645			
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sh (OR REMAINS) CLC or other appropriate GHTS. This applicate and MPEP 1308.	SED in this application. If not included communication will be mailed in due	led course. THIS		
	<u>011 77 007 20 10</u> .				
2. The allowed claim(s) is/are <u>Claims 1 and 7-8 are allowed.</u> .					
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 	been received. been received in Ap	plication No			
3. Copies of the certified copies of the priority documents have been received in this national stage application from the					
International Bureau (PCT Rule 17.2(a)). * Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	IENT of this application	on. ed EXAMINER'S AMENDMENT or i			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.				
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached					
1) hereto or 2) to Paper No./Mail Date					
(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of					
each sheet. Replacement sheet(s) should be labeled as such in t			e back) of		
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 			Note the		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		ce of Informal Patent Application view Summary (PTO-413),			
· · · · · · · · · · · · · · · · · · ·	Pap	er No./Mail Date			
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>7/30/2010</u> 	7. 🛛 Exar	niner's Amendment/Comment			
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8.	niner's Statement of Reasons for All	owance		
/Robert A. Zeman/	/Nina A A				
Primary Examiner, Art Unit 1645	Examiner	r, Art Unit 1645			

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EXAMINER'S AMENDMENT

1. After careful review of the record the notice of allowance mailed on 9/21/2010 has been vacated.

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Sunhee Lee on September 8, 2010.

Information Disclosure Statement

- 3. The information disclosure statement filed on 7/30/2010 has been considered. An initialed copy is enclosed.
- 4. The application has been amended replacing all previous claims as follows:

In the Claims

Claims 1 and 7-8 were replaced with the following:

Claim 1 A mucosal vaccine adjuvant comprising isolated bacterial flagellins as an active component, wherein said flagellins are obtained from Vibrio vulnificus, wherein said Vibrio vulnificus flagellins are one or more selected from the group consisting of the peptides of SEQ ID NO: 2, SEQ ID NO: 4, SEQ ID NO: 6, SEQ ID NO: 8, SEQ ID NO: 10, and SEQ ID NO: 12.

Claim 7 The mucosal vaccine adjuvant according to claim 1, wherein said vaccine adjuvant is an adjuvant for vaccine selected from the group consisting of an anti-toxin vaccine; a

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live attenuated or killed vaccine, an anti-viral vaccine, an anti-cancer vaccine against uterine cervical cancer, an anti-sperm contraceptive vaccine, a recombinant protein, and peptide vaccine.

Claim 8 The mucosal vaccine adjuvant according to claim 7, wherein the anti-toxin vaccine is against tetanus toxoid; the live attenuated or killed vaccine is against cholera and/or typhoid fever, the anti-viral vaccine is against influenza and/or SARS.

5. Claims 3-6 and 9 were cancelled.

Conclusion

6. The election requirement for a specific amino acid sequence on 9/4/2008 has been withdrawn.

Claims 1 and 7-8 are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nina A. Archie whose telephone number is 571-272-9938. The examiner can normally be reached on Monday-Friday 8:30-5:00p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Larry Helms can be reached on 571-272-0832. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Nina Archie

GAU 1645

REM 3B31

/Robert A. Zeman/

Primary Examiner, Art Unit 1645